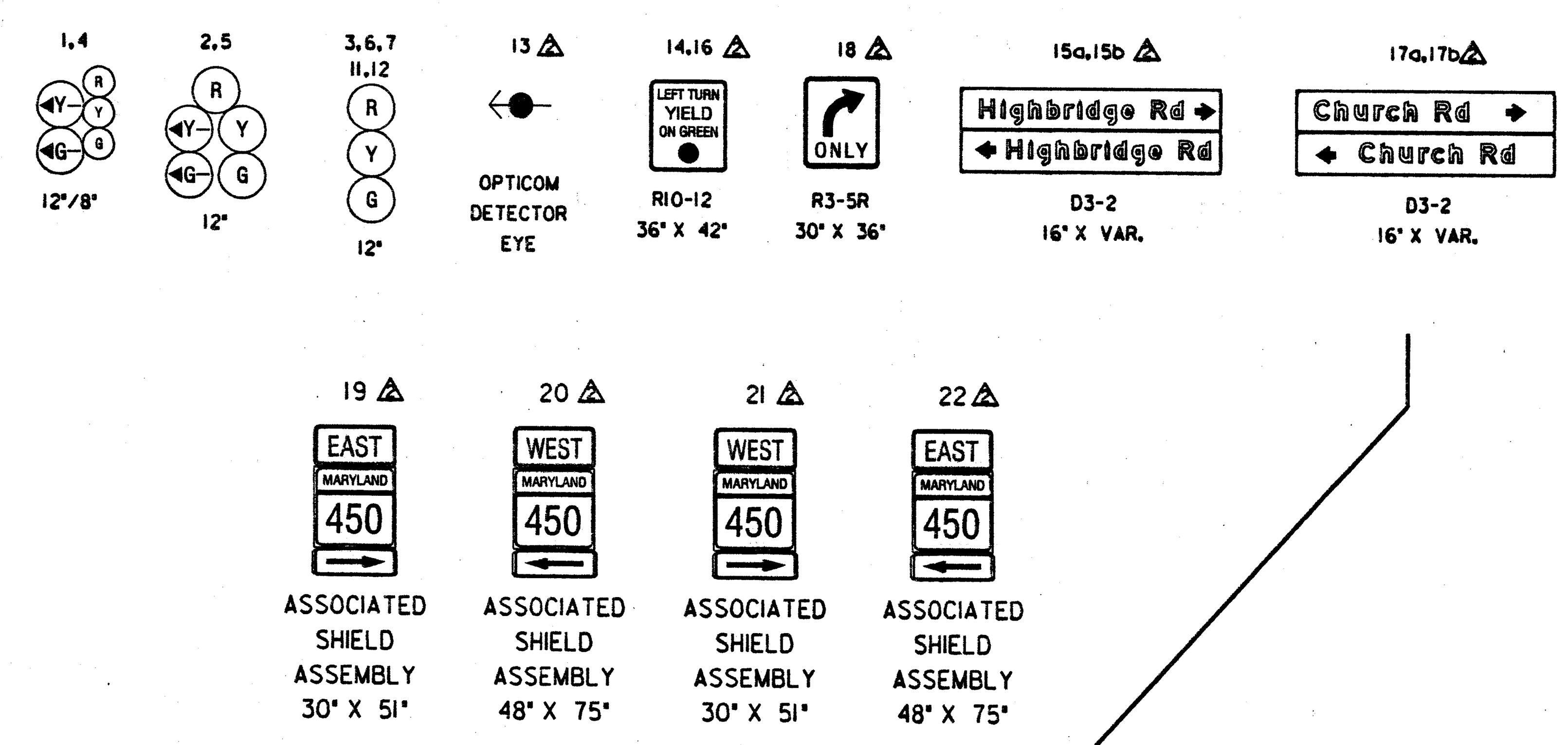
PROPOSED SIGNS/SIGNALS

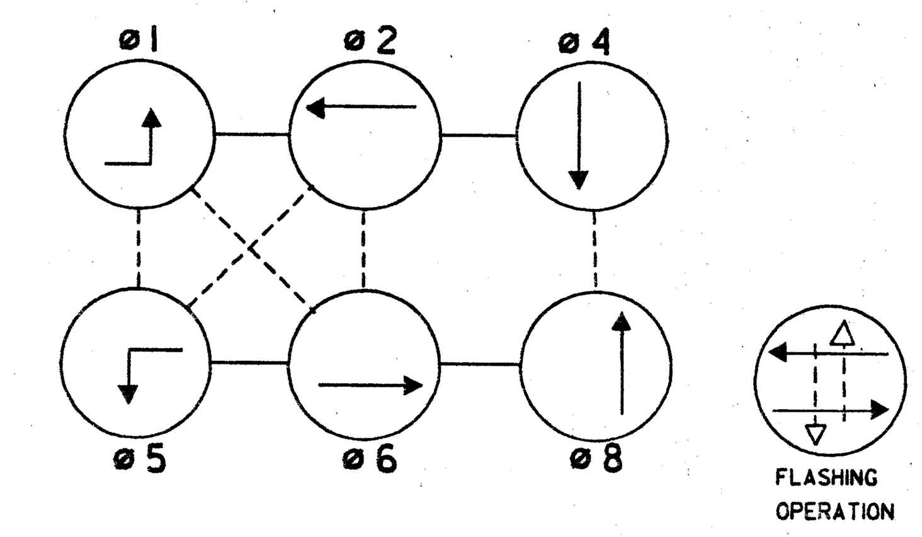


MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

EXISTING SIGNALS

8,9,10

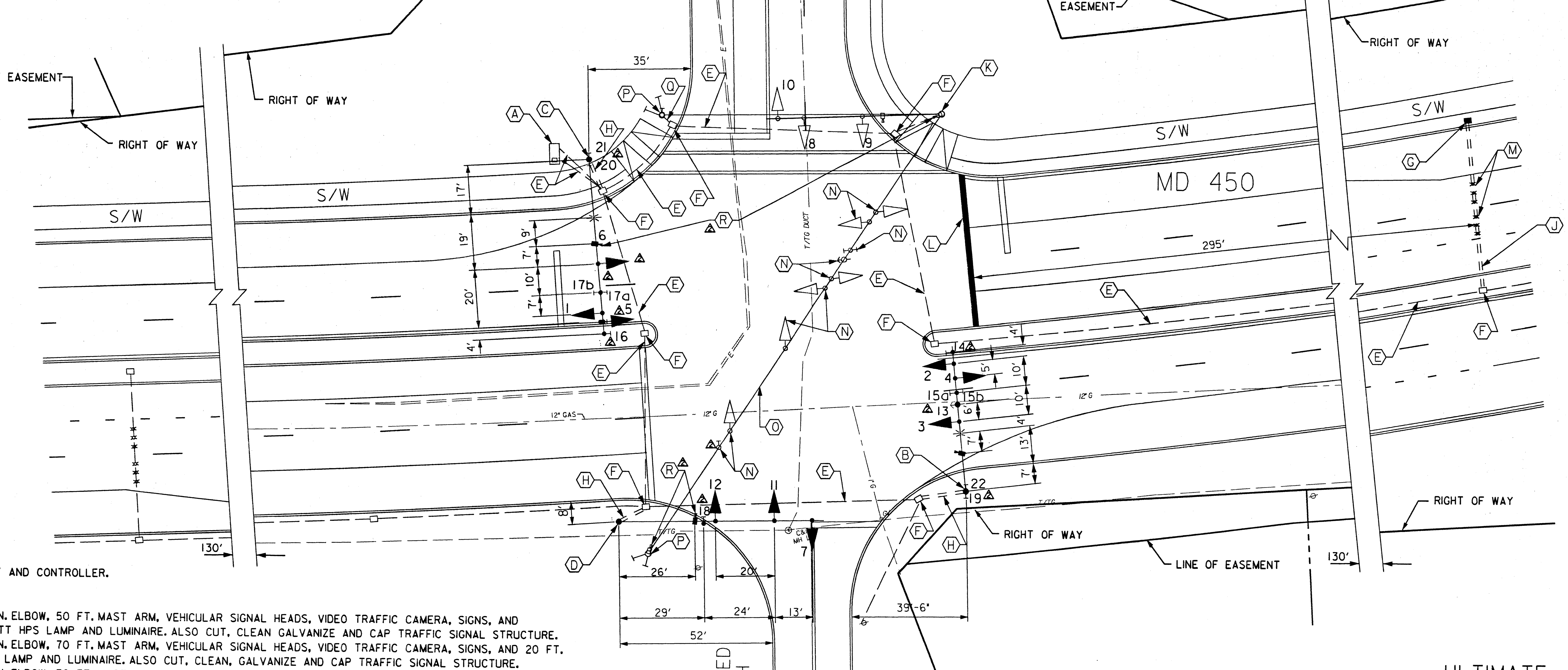
NEMA PHASING



NEMA NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS:

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDHOLE.
D. INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, 50 FT. MAST ARM, VEHICULAR SIGNAL HEADS, VIDEO TRAFFIC CAMERA, SIGNS, AND 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE. ALSO CUT, CLEAN GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
E. INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, 70 FT. MAST ARM, VEHICULAR SIGNAL HEADS, VIDEO TRAFFIC CAMERA, SIGNS, AND 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE. ALSO CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
F. INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, 70 FT. MAST ARM, VEHICULAR SIGNAL HEADS AND SIGN. ALSO CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE.
G. UNBAG SIGNAL HEADS AND CAMERA (WHEN DIRECTED BY ENGINEER).
H. RELOCATE CAMERA TO MAST ARM.
J. INSTALL HANDHOLE.
K. INSTALL 3 IN. (SCH 80) PVC ELECTRICAL CONDUIT-TRENCHED.
L. INSTALL 3 IN. (SCH 80) PVC ELECTRICAL CONDUIT-BORED.
M. INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING FOR STOP LINE.
N. INSTALL MICRO-LOOP NON INVASIVE PROBE SET WITH 1000 FT. LEAD IN.
O. REMOVE EXISTING TEMPORARY SIGNAL HEADS, OPTICOM DETECTOR EYE, AND SIGNS ON SPAN WIRE.
P. REMOVE EXISTING SPAN AND TETHER WIRE.
Q. REMOVE EXISTING POLE.
R. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.

ULTIMATE SIGNAL

ADDENDEUM #2 10/11/2001

REVISIONS	APPROVALS
C 08/2001 SIGNAL MODIFICATION DUE RECONSTRUCTION OF MD 450	ORIGINAL — TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
B 6/98 INSTALL OPTICOM DETECTOR EYE WB MD 450	ON — ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
A 12-5-91 CONVERT TO FULLY ACTUATED SIGNAL SHA NO.:	FILE — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 450 - MD 193 TO STONYBROOK DRIVE
MD 450 AT HIGHBRIDGE ROAD - ULTIMATE SIGNAL

DRAWN BY:	MB	F.A.P. NO.	SEE TITLE SHEET	TS NO.	TS-3193C
CHECKED BY:	STB	S.H.A. NO.	PG9005571	T.I.M.S. NO.	D 538
SCALE:	1"=20'	COUNTY:	PRINCE GEORGE'S	SHEET NO.	415 OF 545
DATE:	OCTOBER 2001	LOG MILE:	10.44		

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